#3

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/058,422

DATE: 02/19/2002
TIME: 11:06:43

Input Set : A:\pa01128.ST25.txt
Output Set: N:\CRF3\02192002\J058422.raw

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TECH CENTER 1600/2900

```
     4 <110> APPLICANT: Hyeyoung Lee, Hye Eun Bang, Sang-Nae Cho, Gill-Han BAI,
     5       Sang-Jae Kim
     7 <120> TITLE OF INVENTION: A method for identifying Micobacteria tuberculosis and
     8       non-tuberculosis Micobacteria, together with detecting resistance
     9       to an antituberculosis drug of Micobacteria obtained by mutation
    10       of rpoB gene
    12 <130> FILE REFERENCE: 0217-0008
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/058,422
C--> 14 <141> CURRENT FILING DATE: 2002-01-30
    14 <160> NUMBER OF SEQ ID NOS: 30
    16 <170> SOFTWARE: KopatentIn 1.71
    18 <210> SEQ ID NO: 1
    19 <211> LENGTH: 25
    20 <212> TYPE: DNA
    21 <213> ORGANISM: Artificial Sequence
    23 <220> FEATURE:
    24 <223> OTHER INFORMATION: MOTT-rpo-long-B-5' primer for PCR amplication of rpoB gene
    27 <400> SEQUENCE: 1
    28 tcaaggagaa gcgctacgac ctggc                                          25
    31 <210> SEQ ID NO: 2
    32 <211> LENGTH: 24
    33 <212> TYPE: DNA
    34 <213> ORGANISM: Artificial Sequence
    36 <220> FEATURE:
    37 <223> OTHER INFORMATION: TR8-long-NB-3' primer for PCR amplication of rpoB gene
    40 <400> SEQUENCE: 2
    41 acgggtgcac gtcgcggacc tcca                                           24
    44 <210> SEQ ID NO: 3
    45 <211> LENGTH: 20
    46 <212> TYPE: DNA
    47 <213> ORGANISM: Artificial Sequence
    49 <220> FEATURE:
    50 <223> OTHER INFORMATION: Oligomer probe for all types of Mycobacteria
    53 <400> SEQUENCE: 3
    54 gacgtcgtcg ccaccatcga                                               20
    57 <210> SEQ ID NO: 4
    58 <211> LENGTH: 15
    59 <212> TYPE: DNA
    60 <213> ORGANISM: Artificial Sequence
    62 <220> FEATURE:
    63 <223> OTHER INFORMATION: Oligomer probe for M. tuberculosis complex
    66 <400> SEQUENCE: 4
    67 catgtcggcg agccc                                                    15
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<210> SEQ ID NO: 5
<211> LENGTH: 19
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligomer probe for M. avium
<400> SEQUENCE: 5
aaacggtgag ccgatcacc 19

<210> SEQ ID NO: 6
<211> LENGTH: 18
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligomer probe for M. intracellularae
<400> SEQUENCE: 6
aaacctgcac gcgggcga 18

<210> SEQ ID NO: 7
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligomer probe for M. scrofulaceum
<400> SEQUENCE: 7
aaaaacgtac ggatggccag c 21

<210> SEQ ID NO: 8
<211> LENGTH: 19
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligomer probe for M. kansasii type I + V
<400> SEQUENCE: 8
aaaggccacg atgaccgtg 19

<210> SEQ ID NO: 9
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligomer probe for M. kansasii type II + III + IV
<400> SEQUENCE: 9
aaaaatctca ggatggccag c 21

<210> SEQ ID NO: 10
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligomer probe for M. gastri
<400> SEQUENCE: 10
aaaaatctca gggtggccag g 21

<210> SEQ ID NO: 11

RAW SEQUENCE LISTING
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Input Set : A:\pa01128.ST25.txt
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149 <211> LENGTH: 16
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Oligomer probe for M. fortuitum complex
157 <400> SEQUENCE: 11
158 cctgaacgcc ggccag 16
161 <210> SEQ ID NO: 12
162 <211> LENGTH: 16
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Oligomer probe for M. peregrinum
170 <400> SEQUENCE: 12
171 gttccggtcg aggtgg 16
174 <210> SEQ ID NO: 13
175 <211> LENGTH: 20
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Oligomer probe for M. chelonae
183 <400> SEQUENCE: 13
184 aaatggtgac tgccaccacg 20
187 <210> SEQ ID NO: 14
188 <211> LENGTH: 20
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Oligomer probe for M. abscesus
196 <400> SEQUENCE: 14
197 aaaaggtgac caccaccacc 20
200 <210> SEQ ID NO: 15
201 <211> LENGTH: 15
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Oligomer probe for M. ulcerans
209 <400> SEQUENCE: 15
210 ggccagccca tcacc 15
213 <210> SEQ ID NO: 16
214 <211> LENGTH: 16
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: Oligomer probe for M. genavanse/M. simiae
222 <400> SEQUENCE: 16
223 ccagccgacg atgacg 16
226 <210> SEQ ID NO: 17
227 <211> LENGTH: 19

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Input Set : A:\pa01128.ST25.txt
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228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Oligomer probe for M. gordonae type I, III, IV
235 <400> SEQUENCE: 17
236 aaagtcggcg atccgatca 19
239 <210> SEQ ID NO: 18
240 <211> LENGTH: 19
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Oligomer probe for M. gordonae type II
248 <400> SEQUENCE: 18
249 aaaaacgtcg gcaagccga 19
252 <210> SEQ ID NO: 19
253 <211> LENGTH: 19
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Oligomer probe for M. szulgai
261 <400> SEQUENCE: 19
262 aaatctgaac gtcggcgag 19
265 <210> SEQ ID NO: 20
266 <211> LENGTH: 19
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Oligomer probe for M. terrae
274 <400> SEQUENCE: 20
275 aaagctcagg acggtcagt 19
278 <210> SEQ ID NO: 21
279 <211> LENGTH: 18
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Oligomer probe for Wild Type 509-514
287 <400> SEQUENCE: 21
288 aaccagctga gccaattc 18
291 <210> SEQ ID NO: 22
292 <211> LENGTH: 18
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Oligomer probe for M. Wild Type 515-520
300 <400> SEQUENCE: 22
301 atggaccaga acaacccg 18
304 <210> SEQ ID NO: 23
305 <211> LENGTH: 18
306 <212> TYPE: DNA

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307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Oligomer probe for Wild Type 521-525
313 <400> SEQUENCE: 23
314 aaactgtcgg ggttgacc 18
317 <210> SEQ ID NO: 24
318 <211> LENGTH: 18
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: Oligomer probe for Wild Type 524-529
326 <400> SEQUENCE: 24
327 ttgacccaca agcgccga 18
330 <210> SEQ ID NO: 25
331 <211> LENGTH: 16
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Oligomer probe for Wild Type 530-534
339 <400> SEQUENCE: 25
340 ctgtcggcgc tggggc 16
343 <210> SEQ ID NO: 26
344 <211> LENGTH: 16
345 <212> TYPE: DNA
346 <213> ORGANISM: Artificial Sequence
348 <220> FEATURE:
349 <223> OTHER INFORMATION: Oligomer probe for Mutant Type 531TTG
352 <400> SEQUENCE: 26
353 ctgttggcgc tggggc 16
356 <210> SEQ ID NO: 27
357 <211> LENGTH: 18
358 <212> TYPE: DNA
359 <213> ORGANISM: Artificial Sequence
361 <220> FEATURE:
362 <223> OTHER INFORMATION: Oligomer probe for Mutant Type 526 AAC
365 <400> SEQUENCE: 27
366 aaaaccaaca agcgccga 18
369 <210> SEQ ID NO: 28
370 <211> LENGTH: 19
371 <212> TYPE: DNA
372 <213> ORGANISM: Artificial Sequence
374 <220> FEATURE:
375 <223> OTHER INFORMATION: Oligomer probe for Mutant Type 516 GTC
378 <400> SEQUENCE: 28
379 aatggtccag aacaacccg 19
382 <210> SEQ ID NO: 29
383 <211> LENGTH: 18
384 <212> TYPE: DNA
385 <213> ORGANISM: Artificial Sequence

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/058,422

DATE: 02/19/2002
TIME: 11:06:44

Input Set : A:\pa01128.ST25.txt
Output Set: N:\CRF3\02192002\J058422.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date